

FEB 12 2007

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To:

NAME:	FACSIMILE:	TELEPHONE:
<b>U.S. Patent and Trademark Office ATTN: CENTRALIZED FAX CENTER, MS APPEAL BRIEF</b>	<b>(571) 273-8300</b>	<b>(571) 272-4105</b>

FROM: Peter Yim  
Reg. 44,417

DATE: February 12, 2007

Number of pages with cover page:	<b>20</b>	
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**Comments:****PLEASE PROCESS THE ATTACHED.**

Re: U.S. Patent Application No. 10/608,300  
For: OPTICAL METROLOGY OF STRUCTURES  
FORMED ON SEMICONDUCTOR WAFERS USING  
MACHINE LEARNING SYSTEMS  
By: Srinivas DODDI et al.  
Our reference: 50998-20055.00

Attached is the following:

1. Transmittal (1 page)
2. Fee Transmittal (in duplicate, 2 pages)
3. Petition for Extension of Time (1 page)
4. Appeal Brief (15 pages)

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PTO/SB/21 (09-04)

Approved for use through 07/31/2008. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

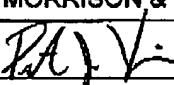
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/608,300
		Filing Date	June 27, 2003
		First Named Inventor	Srinivas DODDI
		Art Unit	2121
		Examiner Name	N. Brown
Total Number of Pages in This Submission	19	Attorney Docket Number	509982005500

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate, 2 pages)  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input checked="" type="checkbox"/> Extension of Time Request (1 page)  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application  <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____  <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input checked="" type="checkbox"/> Appeal Communication to TC (Appeal Brief) (15 page)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  Facsimile Cover Sheet (not counted as part of this submission)
	Remarks	

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	MORRISON & FOERSTER LLP (Customer No. 20872)		
Signature			
Printed name	Peter J. Yim		
Date	February 12, 2007	Reg. No.	44,417

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (571) 273-8300, on the date shown below.

Dated: February 12, 2007

Signature: 

(Peter J. Yim)

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PTO/SB/17 (01-06)

Approved for use through 7/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

Fees pursuant to the Consolidated Appropriations Act, 2006 (H.R. 4818).

FEE TRANSMITTAL  
For FY 2006 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 620.00)

Complete if Known	
Application Number	10/608,300
Filing Date	June 27, 2003
First Named Inventor	Srinivas DODDI
Examiner Name	N. Brown
Art Unit	2121
Attorney Docket No.	509982005500

## METHOD OF PAYMENT (check all that apply)

 Check  Credit Card  Money Order  None  Other (please identify): Deposit Account Deposit Account Number: 03-1952 Deposit Account Name: Morrison & Foerster LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

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## FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)

## 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES	
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)
Utility	300	150	500	250	200	100
Design	200	100	100	50	130	65
Plant	200	100	300	150	160	80
Reissue	300	150	500	250	600	300
Provisional	200	100	0	0	0	0

## 2. EXCESS CLAIM FEES

## Fee Description

Each claim over 20 (including Reissues)

Small Entity Fee (\$)	Fee (\$)
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50 25

Each independent claim over 3 (including Reissues)

200 100

Multiple dependent claims

360 180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
29	-29 = 0	x 50	= 0.00

Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
	360	0.00

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
3	-3 = 0	x 200	= 0.00

HP = highest number of independent claims paid for, if greater than 3.

## 3. APPLICATION SIZE FEE

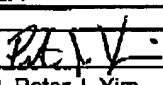
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(c)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/50	(round up to a whole number) x	=	

## 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): 1402 Filing a brief in support of an appeal  
1251 Extension for response within third month500.00  
120.00

SUBMITTED BY	
Signature	
Name (Print/Type)	Peter J. Yim

Registration No. (Attorney/Agent)	44,417	Telephone	(415) 268-6373
Date	February 12, 2007		